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Gene expression system contg. alpha-amylase gene promoter - for use in plants for expression of heterologous genes
Patent Assignee: NAT SCI COUNCIL (NASC-N); NAT SCI COUNCIL ROC (NASC-N)
Inventor: LIU L; YU S; CHAN M T; LIU L F; YU S M
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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7143895	A	19950606	JP 93297607	A	19931104	199531 B
US 5460952	A	19951024	US 92973324	A	19921104	199548 N
US 5712112	A	19980127	US 92973324	A	19921104	199811 N
			US 94343380	A	19941122	

Priority Applications (No Type Date): JP 92321274 A 19921105; US 92973324 A 19921104; US 94343380 A 19941122

Patent Details:

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JP 7143895	A		42	C12P-021/02	
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Abstract (Basic): JP 7143895 A

Expression of heterologous genes in plant cells comprises: (a) construction of a vector expressible in plant cells in which the vector contains a promoter region from the plant alpha-amylase gene and a gene encoding a desired heterologous protein, (b) transformation of compatible plant host cells with the vector, (c) culture of the transformed host cells, (d) placing the cultured host cells in a sugar exhausted or deficient condition to stimulate the expression of the gene under the control of the promoter region, and (e) recovery of the expressed heterologous protein.

USE - The system may be used for the expression of heterologous genes in plant cells and for the large scale production of the encoded products of such genes.

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Title Terms: GENE; EXPRESS; SYSTEM; CONTAIN; ALPHA; AMYLASE; GENE; PROMOTE; PLANT; EXPRESS; HETEROLOGOUS; GENE

Derwent Class: C06; D16

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